

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
P.O. BOX 52000  
OKLAHOMA CITY, OK 73152-2000  
(Rule 165:10-3-1)

API NUMBER: 011 24137

Approval Date: 12/07/2018  
Expiration Date: 06/07/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 08 Twp: 15N Rge: 11W County: BLAINE  
SPOT LOCATION:  SW  SE  SE  SE FEET FROM QUARTER: FROM SOUTH FROM EAST  
SECTION LINES: 250 410

Lease Name: HENRY FEDERAL Well No: 1-8-5XH Well will be 250 feet from nearest unit or lease boundary.  
Operator Name: CONTINENTAL RESOURCES INC Telephone: 4052349020; 4052349 OTC/OCC Number: 3186 0

CONTINENTAL RESOURCES INC  
PO BOX 269091  
OKLAHOMA CITY, OK 73126-9000

STEPHEN L. COCHRAN  
4214 WEST BEACH PARK DRIVE  
TAMPA FL 33609

Formation(s) (Permit Valid for Listed Formations Only):

	Name	Depth	Name	Depth
1	CHESTER	10016	6	
2	MISSISSIPPIAN	10195	7	
3	MISSISSIPPI LIME	11189	8	
4			9	
5			10	

Spacing Orders: 586616

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201700090  
201700093  
201700094

Special Orders:

Total Depth: 21435

Ground Elevation: 1459

**Surface Casing: 330**

Depth to base of Treatable Water-Bearing FM: 80

Under Federal Jurisdiction: Yes

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 8000 Average: 5000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 18-35272

H. SEE MEMO

This permit does not address the right of entry or settlement of surface damages.  
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.  
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

PIT 2 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

Is depth to top of ground water greater than 10ft below base of pit? Y

Within 1 mile of municipal water well? N

Wellhead Protection Area? N

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 05 Twp 15N Rge 11W County BLAINE

Spot Location of End Point: N2 NE NE NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 330

Depth of Deviation: 10815

Radius of Turn: 477

Direction: 3

Total Length: 9851

Measured Total Depth: 21435

True Vertical Depth: 11189

End Point Location from Lease,  
Unit, or Property Line: 50

Notes:

Category

Description

HYDRAULIC FRACTURING

9/5/2018 - G71 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;

2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: [OCCEWEB.COM/OG/OGFORMS.HTML](http://OCCEWEB.COM/OG/OGFORMS.HTML); AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: [FRACFOCUS.ORG](http://FRACFOCUS.ORG)

INTERMEDIATE CASING

9/5/2018 - G71 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES

MEMO

9/5/2018 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201700090

9/25/2018 - G58 - (640) 8-15N-11W  
EXT 653172/586616 MSSP, OTHERS  
REC 12/6/2018 (THOMAS)

This permit does not address the right of entry or settlement of surface damages.  
The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.  
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Category	Description
PENDING CD - 201700093	9/25/2018 - G58 - (I.O.) 8 & 5-15N-11W EST MULTIUNIT HORIZONTAL WELL X201700090 MSSP 8-15N-11W X586616 CSTR, MSSLM 5-15N-11W 50% 8-15N-11W 50% 5-15N-11W NO OP. NAMED REC 12/6/2018 (THOMAS)
PENDING CD - 201700094	9/25/2018 - G58 - (I.O.) 8 & 5-15N-11W X201700090 MSSP 8-15N-11W X586616 CSTR, MSSLM 5-15N-11W X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO THE MOSELEY 1-5 WELL SHL NCT 150' FSL, NCT 330' FEL OF 8-15N-11W COMPL. INT. 8-15N-11W NCT 150' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. 5-15N-11W NCT 0' FSL, NCT 150' FNL, NCT 330' FWL NO OP. NAMED REC 12/6/2018 (THOMAS)
SPACING - 586616	9/25/2018 - G58 - (640) 5-15N-11W VAC OTHERS EST CSTR, MSSLM, OTHERS

This permit does not address the right of entry or settlement of surface damages.  
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Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District  
Office of the Conservation Division as to when Surface Casing will be run.

# COVER SHEET



CONTINENTAL RESOURCES, INC.  
HENRY FEDERAL #1-8-5XH  
Sec. 8 Twp. 15N Rng. 11W  
County : Blaine State of Oklahoma

011-24137

SHEET	REVISE DATE	BY	COMMENTS
EXHIBIT "A"	10/31/17	JH	ADDED ANTI-COLLISION

Provided by:  
Arkoma Surveying and Mapping, PLLC  
P.O. Box 238 Wilburton, OK 74578  
Ph. 918-465-5711 Fax 918-465-5030  
Certificate of Authorization No. 5348  
Expires June 30, 2018

Invoice #7385  
Date Staked: 10/03/17

GPS DATUM  
NAD 27  
NAD 83  
OK NORTH ZONE



# Well Location Plat

Operator : CONTINENTAL RESOURCES, INC.

EXHIBIT "A"  
S.H.L. Sec. 8-15N-11W I.M.  
B.H.L. Sec. 5-15N-11W I.M.  
BLAINE COUNTY  
(SHEET 1 OF 3)

## NAD 83

Point	Northing	Easting	Elevation	Latitude/Longitude	Latitude/Longitude	Description	Design Elevation
20	295921	1849298	0.0			STONE NWc 5-15N-11W	
21	290579	1849296	0.0			CALC. NWc 8-15N-11W	
22	285318	1849268	0.0			80D W/SHINER SWc 8-15N-11W	
23	295903	1854564	0.0			IRON ROD NEc 5-15N-11W	
24	290581	1854511	0.0			IRON ROD NEc 8-15N-11W	
25	285269	1854550	0.0			BLM BRASS CAP SEc 8-15N-11W	
50	291900	1849957	0.0	LAT:35°48'04.37"N LON:98°23'59.11"W	LAT:35.80121379 LON:-98.39975285	AC-MUSTANG SICKLEY WOMAN #1-5 OCC STATUS: PA, TVD: 9250'	
51	291900	1852570	0.0	LAT:35°48'04.48"N LON:98°23'27.38"W	LAT:35.80124491 LON:-98.39093916	AC-MUSTANG HO-ITZ-E-O #1-5 OCC STATUS: PA, TVD: 10130'	
52	294298	1852652	0.0	LAT:35°48'28.20"N LON:98°23'26.50"W	LAT:35.80783318 LON:-98.39069468	AC-MUSTANG MOSELEY #1-5 OCC STATUS: PA, TVD: 10094'	
53	295639	1854211	0.0	LAT:35°48'41.52"N LON:98°23'07.64"W	LAT:35.81153325 LON:-98.38545689	AC-CLR MOSELEY #1-5H OCC STATUS: AC, TVD: 11867'	
54	289926	1849953	0.0	LAT:35°47'44.85"N LON:98°23'59.06"W	LAT:35.79579140 LON:-98.39973825	AC-KINGFISHER RES. COMPTON #1-8 OCC STATUS: AC, TVD: 10110'	
55	288594	1852566	0.0	LAT:35°47'31.78"N LON:98°23'27.28"W	LAT:35.79216208 LON:-98.39090990	AC-OTC/OCC NA SQUIRREL WOMAN 1 OCC STATUS: PA, TVD: 10071'	
56	287492	1849940	0.0	LAT:35°47'20.78"N LON:98°23'59.09"W	LAT:35.78910544 LON:-98.39974785	AC-MUSTANG COMPTON #2-8 OCC STATUS: AC, TVD: 10250'	
57	286602	1853228	0.0	LAT:35°47'12.11"N LON:98°23'19.14"W	LAT:35.78669637 LON:-98.38865064	AC-KINGFISHER RES. COMPTON #3-8 OCC STATUS: PA, TVD: 10250'	
100	285523	1854138	1457.3'	LAT:35°47'01.48"N LON:98°23'08.04"W	LAT:35.78374378 LON:-98.38556772	A. HENRY FEDERAL #1-8-5XH 250' FSL - 410' FEL	1459.2'
200	286003	1854214	0.0	LAT:35°47'06.22"N LON:98°23'07.14"W	LAT:35.78506135 LON:-98.38531622	A. HEEL SLOT 730' FSL - 330' FEL	
300	295854	1854233	0.0	LAT:35°48'43.65"N LON:98°23'07.39"W	LAT:35.81212392 LON:-98.38538515	A. BOTTOM HOLE LOCATION 50' FNL - 330' FEL	

Survey and plat by:

Arkoma Surveying and Mapping, PLLC

P.O. Box 238 Wilburton, OK 74578

Ph. 918-465-5711 Fax 918-465-5030

Certificate of Authorization No. 5348

Expires June 30, 2018

Invoice #7385

Date Staked : 10/03/17 By : R.H.

Date Drawn : 10/23/17 By : J.H.



# Well Location Plat

Operator : CONTINENTAL RESOURCES, INC.

EXHIBIT "A"  
S.H.L. Sec. 8-15N-11W I.M.  
B.H.L. Sec. 5-15N-11W I.M.  
BLAINE COUNTY  
(SHEET 3 OF 3)

## 011-24137



1" = 1320'

GPS DATUM

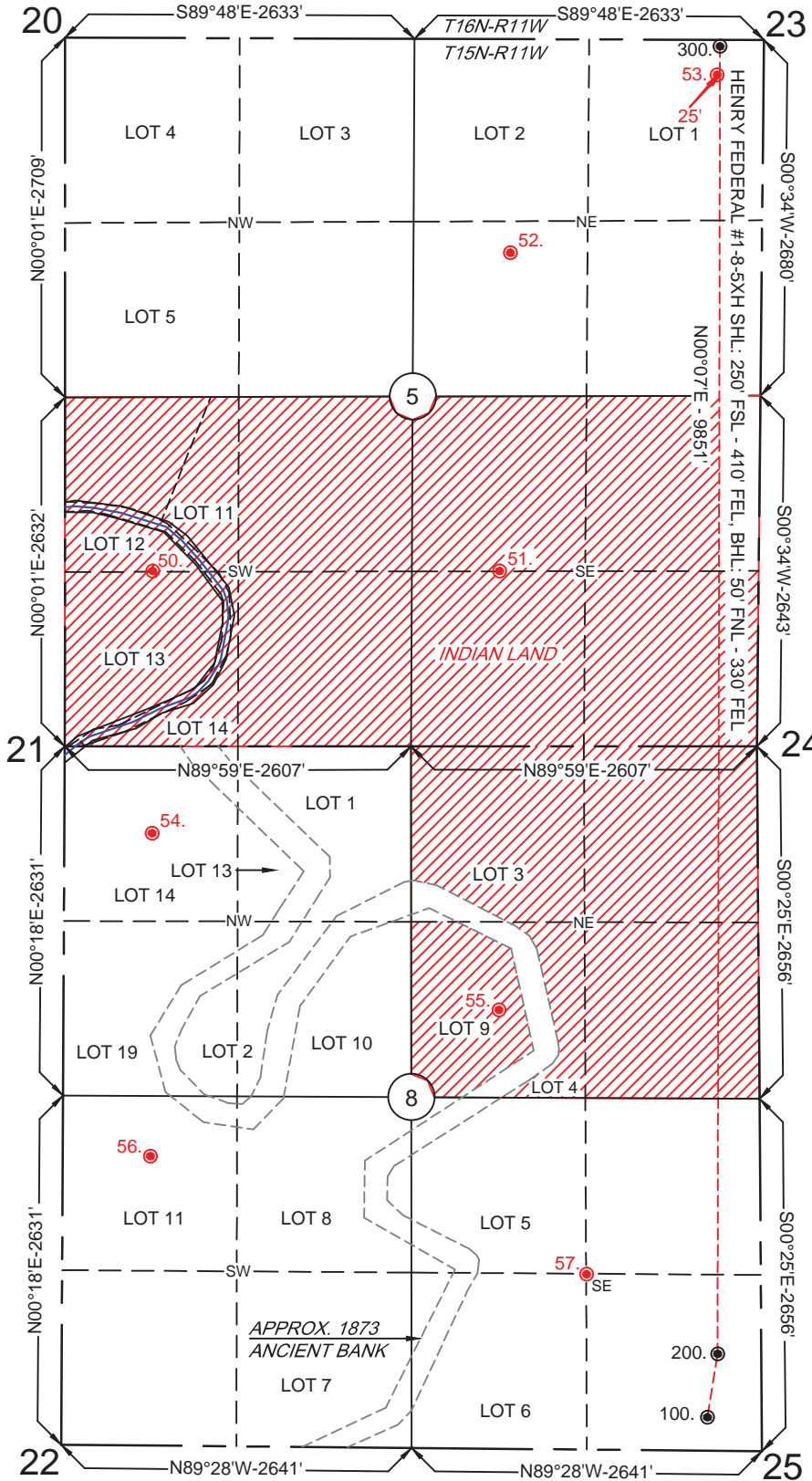
NAD 27

NAD 83

OK NORTH ZONE

Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK - GPS. Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportional distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true boundary survey. NOTE: X and Y data shown herein for Section Corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey.

**\*NOTE\***  
NO RIVER SURVEY OF SECTION 8-15N-11W HAS BEEN COMPLETED ON THE GROUND. APPROXIMATE 1873 ANCIENT BANK WAS USED FOR PLATTING.



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P.O. Box 238 Wilburton, OK 74578  
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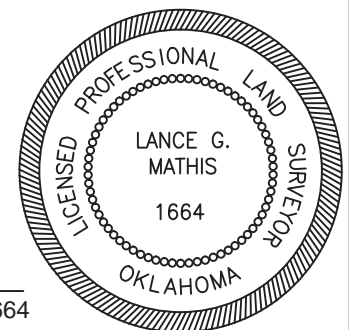
### Certification:

This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.

LANCE G. MATHIS

11/01/17

OK LPLS 1664



Invoice #7385

Date Staked : 10/03/17 By : R.H.  
Date Drawn : 10/23/17 By : J.H.